

**IN THE CLAIMS**

Please add claims 45-48, as follows:

45(New). A purified human uncoupling protein 3 which comprises the amino acid sequence as set forth in SEQ ID NO: 12.

46(New). The purified human uncoupling protein 3 of claim 45 which consists of the amino acid sequence as set forth in SEQ ID NO:12.

47(New). A purified mouse uncoupling protein 3 which comprises the amino acid sequence as set forth in SEQ ID NO: 18.

48(New). The purified mouse uncoupling protein 3 of claim 47 which consists of the amino acid sequence as set forth in SEQ ID NO:18.

**R E M A R K S**

New claims 45-48 are added to more particularly point out and distinctly claim the present invention. Support for entry of new claims 45 and 46 can be found, for example, at page 10, lines 8-18. Support for entry of new claims 47 and 48 can be found, for example, at page 13, lines 25-35. No new matter is added by entry of new claims 45-48.

Applicants respectfully submit that entry of new claims 45-48 puts the application in proper form for examination and allowance. Early action to that end is earnestly solicited.

Respectfully submitted,

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